

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S18,057A
Source: JFWP
Date Processed by STIC: 1/16/07

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/16/2007

PATENT APPLICATION: US/10/518,057A

TIME: 14:59:36

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\01162007\J518057A.raw

```

3 <110> APPLICANT: TAKARA BIO INC.
4     SAKAI, Takeshi
5     ISHIZUKA, Kumiko
6     KATO, Ikunoshin
8 <120> TITLE OF INVENTION: ENZYME FOR DIGESTING SULFATED FUCAN FROM SEACUCUMBER
10 <130> FILE REFERENCE: SAKAI17
12 <140> CURRENT APPLICATION NUMBER: 10/518,057A
13 <141> CURRENT FILING DATE: 2004-12-16
15 <150> PRIOR APPLICATION NUMBER: JP 2002-180490
16 <151> PRIOR FILING DATE: 2002-06-20
18 <150> PRIOR APPLICATION NUMBER: JP 2002-239843
19 <151> PRIOR FILING DATE: 2002-08-20
21 <150> PRIOR APPLICATION NUMBER: PCT/JP03/07838
22 <151> PRIOR FILING DATE: 2003-06-20
24 <160> NUMBER OF SEQ ID NOS: 1
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1521
30 <212> TYPE: DNA
31 <213> ORGANISM: Fucoidanobacter marinus SI-0098
34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <222> LOCATION: (158)..(158)
37 <223> OTHER INFORMATION: n is a, c, g, or t
39 <220> FEATURE:
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (206)..(206)
42 <223> OTHER INFORMATION: n is a, c, g, or t
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (295)..(295)
47 <223> OTHER INFORMATION: n is a, c, g, or t
49 <400> SEQUENCE: 1
50 agagtttgat cctggctcag aatgaacgct ggcggcgtgg ttcagacatg caagtcgaac      60
52 gggattgtct agttagcttg ctaattagac atgagagtgg cgaacgggtg cgtaacacgt      120
W--> 54 aaagaaccta cccttatgtg ggggatagct caccgaangg tgaattaata ccgcatgtgg      180
56 tctctcttca catgaagagt aactnaagc tggggacctt cgggcctggc gcatagggag      240
58 ggctttgcgg cctatcagct tgttggtgag gtaacggctc accaaggcaa agacnggtag      300
60 ctgggtctgag aagatgatca gccacactgg aacttagaca cgggtccagac acctacgggt      360
62 ggcagcagtt tcgaatcttt cacaatgggc gaaagcctga tggagcaacg ccgcgtgggg      420
64 gatgaaggcc ttcgggttgt aaacccctgt caccaaggat aaaacgtaat ctattaatac      480
66 taggttgctt gatgtaactt ggagaggaag gagtggctaa ctctgtgcca gcagccgcgg      540
68 taatacagag actccaagcg ttattcggat tctactgggcg taaagggagc gcagggcgcc      600

```

RAW SEQUENCE LISTING

DATE: 01/16/2007

PATENT APPLICATION: US/10/518,057A

TIME: 14:59:36

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\01162007\J518057A.raw

```

70 agatgtgtca gaggtgaaat accgcagctt aactgtagaa ctgcctttga aactatctgg 660
72 ctagagtatc ggagaggtaa gcggaattcc aggtgtagca gtgaaatgcg tagatatctg 720
74 gaggaacacc aatggcgaag gcagcttact ggacgattac tgacgctcag gctcgaaagc 780
76 atggggagcg aaagggatta gatacccctg tagtccatgc cgtaaaccgtt gttcactagg 840
78 tatcgggaca ttcgaccgtc tcggtgctca agctaaccgcg ataagtgaac cgctgagga 900
80 ctacggccgc aaggctaaaa ctcaaaggaa ttgacgggag cctgcacaag cggaggagca 960
82 tgtggcttaa ttcgatgcaa cgcgaagaac cttacctagg cttgacatgc agtggaccgg 1020
84 ggcagagatg ccctttctct tcggagccgc tgcacagggtg ctgcatggct gtcgtcagct 1080
86 cgtgtcgtga gatgtttggt taagtccagc aacgagcgca acccctgcca ctagttgcca 1140
88 gcattaagtt ggggactcta gtgggacaaa ctctctctga gagtgggaag gtggggacga 1200
90 cgtcaagtca gtatggccct tacgtctagg gctgcacacg tgctacaatg cccggtacag 1260
92 agggacgcga taccgcgagg tggagcaaat ccttaaagcc gggcccagtt cagattggag 1320
94 tctgcaactc gactccatga agttggaatc gctagtaatg gcgcatcagc tatggcgccg 1380
96 tgaatacggt cccaggcctt gtacacaccg cccgtcacgt tatggaagcc ggttttgccc 1440
98 gaagtatggt agctaaccgg caagggaggc gatgtcctaa ggtgaggctg gtaactggaa 1500
100 cgaagtcgta acaaggtagc c 1521

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/16/2007
PATENT APPLICATION: US/10/518,057A TIME: 14:59:37

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\01162007\J518057A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 158,206,295

VERIFICATION SUMMARY

DATE: 01/16/2007

PATENT APPLICATION: US/10/518,057A

TIME: 14:59:37

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\01162007\J518057A.raw

L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120
M:341 Repeated in SeqNo=1